

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (currently amended) An electronic apparatus ~~equipped with at least comprising:~~
a first transmission unit ~~for performing that performs~~ a first communication by ~~an~~a first electromagnetic wave;
a second transmission unit ~~for performing that performs~~ a second communication by ~~an~~a second electromagnetic wave; and
a reception unit ~~for receiving a signal transmitted that receives said~~
second electromagnetic wave from said second transmission unit; ~~and wherein:~~
~~said electronic apparatus is comprised of: an antenna in which a diameter of a sphere including a radiator that defines a sphere, where the diameter of the sphere is smaller than $1/(2\pi)$ of a wavelength of an~~said second electromagnetic wave used in either ~~said second transmission unit or said reception unit.~~
2. (currently amended) An electronic apparatus, as claimed in claim 1
~~wherein:~~ wherein said antenna is constituted by the radiator; and further comprises a reactance element ~~for canceling that cancels~~ a reactance component of said radiator.

3. (currently amended) An electronic apparatus, as claimed in claim 1 wherein:

said first transmission unit, said second transmission unit, or either a partial circuit or all circuits of said reception unit are constructed on a semiconductor integrated circuit; and

either a portion or all of reactance components of the radiator ~~of said antenna~~ are canceled by both a reactance component ~~owned by~~ ~~of~~ a wiring line on said semiconductor integrated circuit, and a reactance component ~~owned by~~ ~~of~~ a wiring line ~~defined from~~ ~~between~~ said semiconductor integrated circuit ~~up to~~ ~~and~~ the radiator ~~of the antenna~~.

4. (currently amended) An electronic apparatus ~~equipped with~~ at least comprising:

a first transmission unit ~~for performing~~ that performs a first communication by ~~an~~ a first electromagnetic wave;

a second transmission unit ~~for performing~~ that performs a second communication by ~~an~~ a second electromagnetic wave; and

a reception unit ~~for receiving~~ that receives a signal transmitted from said second electromagnetic wave transmission unit; wherein:

~~said electronic apparatus is comprised of:~~

~~an antenna in which a diameter of a sphere including a radiator that defines a sphere, where the diameter of the sphere is smaller than $1/(2\pi)$ of a wavelength of an ~~said second~~ electromagnetic wave used in either~~ ~~said second transmission unit or said reception unit;~~

an evaluation unit means for evaluating that evaluates a reception condition of said reception unit;

a control unit means for controlling that controls a frequency of an said second electromagnetic wave transmitted by said second transmission unit; and

a feedback unit means for feeding that feeds back an evaluation result made by said evaluation unit means to said control unit means.

5. (currently amended) An electronic apparatus as claimed in claim 1, wherein:

a shape of the said radiator of said antenna is has a line shape.

6. (currently amended) An electronic apparatus as claimed in claim 1, wherein:

the said radiator of said antenna is constituted by comprises a printed pattern formed on a printed circuit board.

7. (currently amended) A wireless communication terminal comprising:

a first housing unit;

a second housing unit;

a coupling unit for coupling that couples said first housing unit to said second housing unit in such a manner that a positional relationship between said first housing unit and said second housing unit is changeable;

an external wireless communication-purpose antenna which is mounted on either said first housing unit or said second housing unit;

an external wireless communication control unit mounted on said first housing unit, ~~for mainly controlling~~ that controls an external wireless communication performed via said external wireless communication-purpose antenna;

a display unit mounted on said second housing unit;

a first internal wireless communication control unit mounted on said first housing unit, ~~for controlling~~ that controls an internal wireless communication executed between said first housing unit and said second housing unit;

a second internal wireless communication control unit mounted on said second housing unit, ~~for controlling~~ that controls an internal wireless communication executed between said first housing unit and said second housing unit;

a first internal wireless communication-purpose antenna mounted on said first housing unit, ~~in which a diameter of a sphere including~~ that includes a radiator defining a first sphere, where the diameter of the first sphere is smaller than $1/(2\pi)$ of a wavelength of an electromagnetic wave used in said internal wireless communication;

a second internal wireless communication-purpose antenna mounted on said second housing unit that includes a, ~~in which the diameter of the sphere including the radiator defining a second sphere, where the diameter of the second sphere is~~ smaller than $1/(2\pi)$ of the wavelength of the electromagnetic wave used in said internal wireless communication; and

an internal wireless timing control unit ~~for controlling~~ that controls transmission timing of the electromagnetic wave ~~transmitted~~ used in said internal wireless communication based upon transmission timing of ~~the~~ an electromagnetic wave transmitted via said external wireless communication-purpose antenna.